

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPL	ICA	IN	S:
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SCHOENBLUM

FILED:

MARCH 26, 2003

DOCKET NO.:

A-8115

TITLE:

DIGITAL STREAM TRANSCODER

MARCH 26, 2003

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

under 37 CFR 1.97(b), or (within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
under 37 CFR 1.97(c) together with either a: Statement Under 37 C.F.R. 1.97(e), or a \$180.00 fee under 37 CFR 1.17(p), or (After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)
under 37 CFR 1.97(d) together with a: Statement under 37 CFR 1.97(e), and a \$180.00 petition fee set forth in 37 CFR 1.17(i)(1). (Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge \$0.00 to deposit account 19-0761. At any time during the pendency of this application, please charge any fees required to Deposit Account 19-0761 pursuant to 37 CFR 1.25. The Commissioner is hereby requested to credit any overpayment to Deposit Account No. 19-0761.

Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.

The Cited Art includes:

- 1. U.S. 5,870,146
- 2. U.S. 6,058,143
- 3. U.S. 6,081,295
- 4. U.S. 6,141,447

Docket No.: A-8115

- 5. U.S. 6,259,741
- 6. U.S. 6,275,536
- 7. U.S. 6,400,763
- 8. U.S. 6,407,681
- 9. U.S. 6,434,197
- 10. U.S. 6,441,754
- 11. "A Frequency-Domain Video Transcoder for Dynamic Bit-Rate Reduction of MPEG-2 Bit Streams," Transaction Papers, Pedro A.A. Assuncao and Mohammed Ghanbari, IEEE Transactions on Circuits and Systems for Video Technology, Vol. 8, No. 8, December 1998, pp. 953-967.
- 12. "Manipulation and Compositing of MC-DCT Compressed Video," Shih-Fu Chang and David G. Messerschmitt, IEEE Journal on Selected Areas in Communications, Vol. 13, No. 1, January 1995, pp. 1-11.
- 13. "THAM 15.5, A low-complexity MPEG-2 bit-rate transcoding algorithm," R. Klein Gunnewick, et al., 2000 IEEE, pp. 316-317.
- 14. "Local Bandwidth Constrained Fast Inverse Motion Compensation for DCT-Domain Video Transcoding," Shizhong Liu and Alan C. Bovik, The University of Texas at Austin, TX, 2001 IEEE, pp. 1609-1612.
- 15. "A Fast Algorithm for DCT-Domain Inverse Motion Compensation Based on Shared Information in a Macroblock," Junehwa Song and Boon-Lock Yeo, IEEE Transactions on Circuits and Systems for Video Technology, Vol. 10, No. 5, August 2000, pp. 767-775.
- 16. "DSP-Based Transcoding of Digital Video Signals with MPEG-2 Format," Bernd Sostawa, et al.I, IEEE Transactions on Consumer Electronics, Vol. 46, No. 2, May 2000, pp. 358-362.
- 17. "MPEG-2 Multi-Program Transport Stream Transcoder," Takeshi Takahashi, et al., Waseda University, Japan, pp. 1-5.
- A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on the form PTO 1449 and is enclosed herewith.

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner

2

is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

By:

SEND CORRESPONDENCE TO:

Scientific-Atlanta, Inc.

Intellectual Property Dept. MS 4.3.510

5030 Sugarloaf Parkway

Lawrenceville, GA 30044

SHELLEY L. COUTURIER

Agent of Record

Reg. No.: 47,503

Phone: (770) 236-2352 Fax No.: (770) 236-4806

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents Washington, DC 20231

on MARCH 26, 2003.

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Attorney Docket No. Serial No.						Date	
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Exami ner's Initial		Document No.	Date	Name	Class	Subcla	ISS
шиа	AA	5,870,146	2/9/99	Zhu	178	405	
	AB	6,058,143	5/2/00	Golin	375	240	
	AC	6,081,295	6/27/00	Adolph et al.	348	405	
	AD	6,141,447	10/31/00	Linzer et al.	382	236	
	AE	6,259,741	7/10/01	Chen et al.	375	240.26	
	AF	6,275,536	8/14/01	Chen et al.	375	240.25	
	AG	6,400,763	6/4/02	Wee	375	240.23	
	AH	6,407,681	6/18/02	Gatepin et al.	341	63	
	AI	6,434,197	8/13/02		375	240.29	
	AI	6,441,754	8/27/02	Wang et al. Wang et al.	341	50	
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C	THER	PRIOR ART (Inch	uding Auth	or Title, Date, I	Pertine	nt Pages,	Etc.)
	AM	"A Frequency-Domain Video Transcoder for Dynamic Bit-Rate Reduction of MPEG-2 Bit Streams," Transaction Papers, Pedro A.A. Assuncao and Mohammed Ghanbari, IEEE Transactions on Circuits and Systems for Video Technology, Vol. 8, No. 8, December 1998, pp. 953-967.					
	AN	"Manipulation and Compositing of MC-DCT Compressed Video," Shih-Fu Chang and David G. Messerschmitt, IEEE Journal on Selected Areas in Communications, Vol. 13, No. 1, January 1995, pp. 1-11.					
	AO	"THAM 15.5, A low-complexity MPEG-2 bit-rate transcoding algorithm," R. Klein Gunnewick, et al., 2000 IEEE, pp. 316-317.					
	AP	"Local Bandwidth Constrained Fast Inverse Motion Compensation for DCT-Domain Video Transcoding," Shizhong Liu and Alan C. Bovik, The University of Texas at Austin, TX, 2001 IEEE, pp. 1609-1612.					
	AQ	"A Fast Algorithm for DCT-Domain Inverse Motion Compensation Based on Shared Information in a Macroblock," Junehwa Song and Boon-Lock Yeo, IEEE Transactions on Circuits and Systems for Video Technology, Vol. 10, No. 5, August 2000, pp. 767-775.					
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C	OTHER	PRIOR ART (Inc	luding Aut	hor Title, Da	te, Pertinen	t Pages,	Etc.)
	AGG	"DSP-Based Transcoding of Digital Video Signals with MPEG-2 Format," Bernd Sostawa, et al.l, IEEE Transactions on Consumer Electronics, Vol. 46, No. 2, May 2000, pp. 358-362.					
	AHH	"MPEG-2 Multi-Program Transport Stream Transcoder," Takeshi Takahashi, et al., Waseda University, Japan, pp. 1-5.					
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:

SCHOENBLUM

GRP. ART UNIT: 2819

APPL. NO.:

10/397,658

EXAMINER:

UNKNOWN

FILED:

MARCH 26, 2003

DOCKET NO.:

A-8115

TITLE:

DIGITAL STREAM TRANSCODER

JUNE 13, 2003

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

M	(within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
	under 37 CFR 1.97(c) together with either a: Statement Under 37 C.F.R. 1.97(e), or a \$180.00 fee under 37 CFR 1.17(p), or (After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)
	under 37 CFR 1.97(d) together with a: Statement under 37 CFR 1.97(e), and a \$180.00 petition fee set forth in 37 CFR 1.17(i)(1). (Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

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The Cited Art includes:

1. U.S. 6,570,922

Docket No.: A-8115

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Respectfully Submitted,

By:

SEND CORRESPONDENCE TO:

Scientific-Atlanta, Inc.

Intellectual Property Dept. MS 4.3.510

5030 Sugarloaf Parkway

Lawrenceville, GA 30044

SHELLEY L. COUTURIER

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Certificate of Mailing

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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on JUNE 13, 2003.

Form P	ГО-1449	U.S. De LIS	T OF ART CIT	e, Patent and Trac ED BY APPLIC heets if necessary	ANT			
Attorney Docket No. Serial No. 10/397,658						Filing Date MARCH 26, 2003		
Applica	nt:	Λ		roup 319				
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Exami ner's Initial	ner's		Date	Name	Class	Subclas	SS	
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UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:

SCHOENBLUM

ART GROUP:

2819

APPL, NO.:

10/397,658

EXAMINER:

UNKNOWN

FILED:

MARCH 26, 2003

DOCKET NO.:

A-8115

TITLE:

DIGITAL STREAM TRANSCODER

JUNE 13, 2003

TRANSMITTAL OF SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing in the above-identified patent application, please find:

1. <u>X</u>

2 Page Supplemental Information Disclosure Statement

2. X

Form PTO-1449

3. <u>X</u>

Copy of Cited Art

4. X

Return Postcard

In the event a fee is required, the Commissioner is hereby authorized to charge payment of any fees required in connection with this Information Disclosure Statement to our Deposit Account No. 19-0761. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted:

SEND CORRESPONDENCE TO:

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